

Claims

1. An orthotic pad for reducing pressure and shear stresses on dermal and muscle tissue in a selected treatment area extending over a bony prominence, comprising a hydrocolloid-containing adhesive body having oppositely-facing non-parallel first and second major surfaces and comprising a soft, deformable and shape-recoverable adhesive material in which particles of at least one moisture-absorbing and moisture-swellable hydrocolloid material are dispersed;

5 said first surface being contoured to match the contour of said treatment area for adhesively engaging and covering said area;

10 said second surface having a selected shape different than said contour of said first surface;

15 and a protective layer covering said second surface.

20 2. The orthotic pad of claim 1 in which said protective layer is of substantially uniform thickness and conforms with said surface shape of said second surface.

25 3. The orthotic pad of claims 1 or 2 in which said protective layer is flexible.

4. The orthotic pad of claims 1 or 2 in which said protective layer is rigid.

30 5. The orthotic pad of claims 1 or 2 in which said second surface is generally planar.

35 6. The orthotic pad of claims 1 or 2 in which said second surface is non-planar and of a developed shape for

corrective redistribution of external forces exertable against said treatment area.

7. A foot orthotic for reducing pressure and shear stresses on dermal and muscle tissue in and about a wound area of treatment, comprising a hydrocolloid-containing adhesive body having oppositely facing non-parallel first and second major surfaces and comprising a soft, deformable and shape-recoverable adhesive material in which particles of at least one moisture-absorbing and moisture-swellable hydrocolloid material are dispersed;

5
10
15
10
15
20
25
30

 said first surface being contoured to match the contour of said treatment area for adhesively engaging covering said area;

 said second surface having a selected shape different than said contour of said first surface;

 and a protective layer covering said second surface.

8. The foot orthotic of claim 7 in which said protective layer is of said substantially uniform thickness and conforms with said surface shape of said second surface.

9. The foot orthotic of claims 7 or 8 in which said second surface is generally planar.

10. The foot orthotic of claims 7 or 8 in which said second surface is non-planar and of a developed shape for corrective redistribution of external forces exertable against said treatment area.